

**Supplemental Material, Table 1.** Effects of DINP exposure on the levels of cytokines/chemokines in the ear and Ig and histamine in serum 24 h after the last injection of Dp.

	saline + vehicle	Dp + vehicle	Dp + DINP (0.15 mg/kg/day)	Dp + DINP (1.5 mg/kg/day)	Dp + DINP (15 mg/kg/day)	Dp + DINP (150 mg/kg/day)
(pg/total mg protein)						
IFN- $\gamma$	368.7 $\pm$ 15.0	157.7 $\pm$ 12.3**	138.2 $\pm$ 18.2**	122.4 $\pm$ 12.5**	114.3 $\pm$ 14.9**	116.0 $\pm$ 14.1**
IL-4	0.0	13.7 $\pm$ 2.5**	20.0 $\pm$ 5.5**	12.6 $\pm$ 3.0**	19.3 $\pm$ 4.2**	15.4 $\pm$ 4.2**
IL-5	0.3 $\pm$ 0.1	3.2 $\pm$ 0.4*	4.1 $\pm$ 0.8*	3.4 $\pm$ 0.5*	3.3 $\pm$ 0.3*	4.5 $\pm$ 0.7*
IL-13	1.5 $\pm$ 0.2	6.3 $\pm$ 0.4**	6.6 $\pm$ 0.7**	6.3 $\pm$ 0.5**	6.7 $\pm$ 0.4**	7.5 $\pm$ 0.5**
Eotaxin	14.0 $\pm$ 2.6	34.3 $\pm$ 5.0**	17.5 $\pm$ 2.7 <sup>#</sup>	14.5 $\pm$ 4.1 <sup>#</sup>	12.2 $\pm$ 0.9 <sup>##</sup>	13.9 $\pm$ 3.4 <sup>#</sup>
Eotaxin-2	164.1 $\pm$ 17.4	269.9 $\pm$ 42.6	116.7 $\pm$ 7.5 <sup>#</sup>	84.5 $\pm$ 11.9 <sup>#</sup>	110.7 $\pm$ 14.8 <sup>#</sup>	113.8 $\pm$ 9.0 <sup>#</sup>
TSLP	13.5 $\pm$ 0.6	20.8 $\pm$ 3.0	50.3 $\pm$ 11.8 <sup>#</sup>	40.8 $\pm$ 8.9*	24.0 $\pm$ 3.2*	31.4 $\pm$ 6.7*
Dp-IgG <sub>1</sub> (titer)	3118.5 $\pm$ 189.0	41022.4 $\pm$ 3747.8**	41387.9 $\pm$ 5718.3**	43112.3 $\pm$ 7261.2**	40896.8 $\pm$ 4079.0**	40873.9 $\pm$ 5071.9**
Total IgE (ng/ml)	81.2 $\pm$ 9.4	690.0 $\pm$ 93.5**	1010.5 $\pm$ 133.2**	920.9 $\pm$ 185.8**	1258.6 $\pm$ 193.0**	1286.6 $\pm$ 362.9**
Histamine (nM)	120.4 $\pm$ 4.4	132.8 $\pm$ 5.8	147.0 $\pm$ 6.0**	131.6 $\pm$ 4.7	143.7 $\pm$ 4.7**	144.2 $\pm$ 4.8**

Mice were injected intradermally with Dp on their ears. DINP was administrated by intraperitoneal injection. Protein levels of cytokines /chemokines in the ear tissue 24 h after the last injection of Dp were measured by ELISA and results expressed in pg/mg total protein. Data are the mean  $\pm$  SEM of 6 or 7 animals per group. The levels of Dp-specific IgG1 and total IgE in serum 24 h after the last injection of Dp were measured by ELISA. Data are the mean  $\pm$  SEM of 10-12 animals per group.

\*p < 0.05, \*\*p < 0.01, Dp treated groups vs. saline + vehicle group ; <sup>#</sup>p < 0.05, <sup>##</sup>p < 0.01 vs. Dp + vehicle group